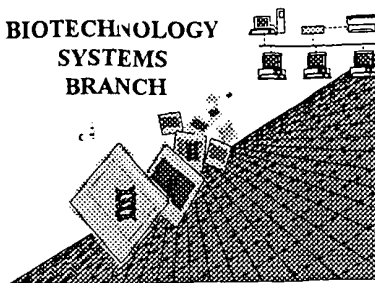


## **RAW SEQUENCE LISTING** **ERROR REPORT**

BIOTECHNOLOGY  
SYSTEMS  
BRANCH



TECH CENTER 1600/2900

AUG 02 2001

RECEIVED

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/428,183A  
Source: 1652  
Date Processed by STIC: 7/9/2001

# 15

**THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.**

**PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:**

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

**FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.**

**FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.**

**PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)**

**PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)**

**TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:**

### **Checker Version 3.0**

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

**Checker Version 3.0 can be down loaded from the USPTO website at the following address:**

**<http://www.uspto.gov/web/offices/pac/checker>**

1652

## RAW SEQUENCE LISTING

DATE: 07/09/2001

PATENT APPLICATION: US/09/478,188A

TIME: 13:20:53

Input Set : A:\407T-896010US seq list 2.txt

Output Set: N:\CRF3\07092001\I478188A.raw

Does Not Comply  
Corrected Diskette Needed

3 <110> APPLICANT: Shen, Ben  
4       Liu, Wen  
5       Christenson, Steven D.  
6       Standage, Scott  
8 <120> TITLE OF INVENTION: GENE CLUSTER FOR PRODUCTION OF THE ENEDIYNE ANTITUMOR  
9       ANTIBIOTIC C-1027  
11 <130> FILE REFERENCE: 407T-896010US  
13 <140> CURRENT APPLICATION NUMBER: 09/478188A  
14 <141> CURRENT FILING DATE: 2000-01-05  
16 <150> PRIOR APPLICATION NUMBER: 60/115434  
17 <151> PRIOR FILING DATE: 1999-01-06  
E--> 19 <160> NUMBER OF SEQ ID NOS: 102 III (see next page)  
21 <170> SOFTWARE: PatentIn Ver. 2.1

## ERRORED SEQUENCES

E--&gt; 2445 &lt;210&gt; SEQ ID NO: 102

Use of n and/or Xaa has been detected in the Sequence Listing.  
Review the Sequence Listing to insure a corresponding  
explanation is presented in the <220> to <223> fields of  
each sequence using n or Xaa.

FYI →

<210> 111

<211> 20

<212> DNA

<213> Artificial

*last sequence in file*

---

<220>

<223> primer

<400> 111

gggcgtcagg ccgtaagaag

20

*see next page for more errors*

<210> 102  
<211> 23  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: primer

*delete - see below*

<210> 102

<211> 23

<212> DNA

<213> Artificial

**VERIFICATION SUMMARY**

DATE: 07/09/2001

PATENT APPLICATION: US/09/478,188A

TIME: 13:20:55

Input Set : A:\407T-896010US seq list 2.txt

Output Set: N:\CRF3\07092001\I478188A.raw

L:2445 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO:102  
L:2447 M:280 W: Numeric Identifier already exists, Length not replaced.  
L:2449 M:280 W: Numeric Identifier already exists, Type not replaced.  
L:2451 M:280 W: Numeric Identifier already exists, Organism not replaced.  
L:2451 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:102  
L:2489 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:103  
L:2527 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:104  
L:2586 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:104  
L:2595 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:105  
L:2664 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:105  
L:2673 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:106  
L:2711 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:107  
L:2779 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:108  
L:2847 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:109  
L:2915 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:110  
L:2933 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:111  
L:19 M:203 E: No. of Seq. differs, <160> Number Of Sequences:Input (102) Counted (111)